



AHLTA

The Military's Electronic Health Record

12 July 2006



- Objective
 - Fully digitize global healthcare with AHLTA
 - Enable medical surveillance, evidence-based medicine, effective healthcare operations, quality improvement, continuous learning
- Implementation is transforming the delivery of healthcare
- Pursuing healthcare and IT standards as part of a National effort (American Health Information Community)
- Convergence of Service-specific systems and policies a key challenge
- Sharing information in Theater is the model

AHLTA Functionality



Jan 2004

Worldwide
deployment of
Block 1 begins

Block 1

- Encounter Documentation
- Order Entry & Results Retrieval
- Encounter Coding Support
- Consult Tracking
- Alerts and Reminders
- Role-based Security
- Health Data Dictionary
- Master Patient Index

Worldwide
deployment of
Block 2 begins

Block 2 (2005–until)

- Eyeglass ordering and management
- Dental charting and documentation

Dec 2006

Worldwide
deployment of
Block 1 complete

Block 3 (2007–09?)

- Replacement of ancillary functions of legacy system
 - Pharmacy
 - Laboratory, anatomic pathology
 - Radiology
 - Inpatient charting and documentation
 - Occupational Health and Surveillance

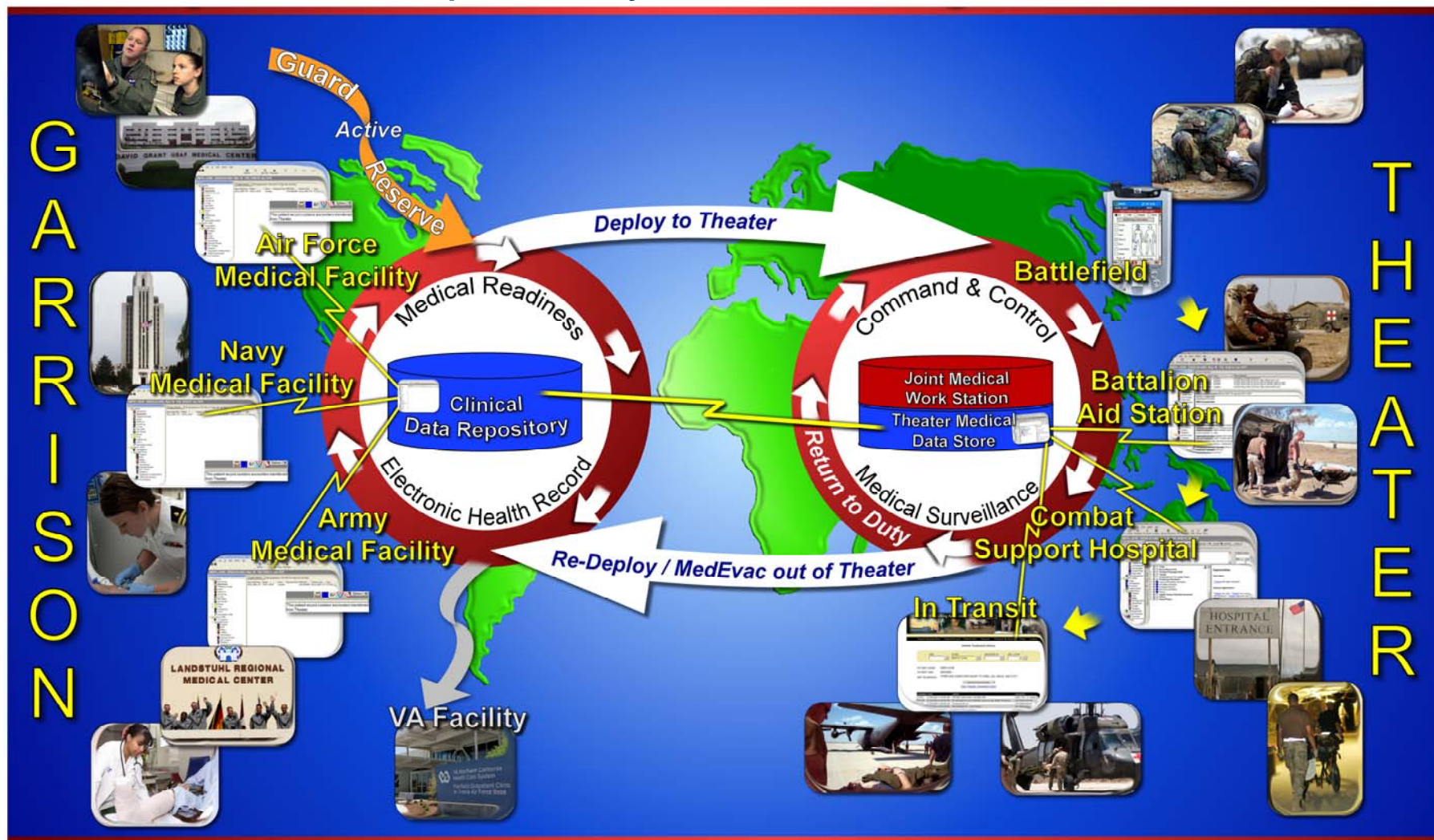
2011

Full Operational
Capability
(Planned)

Seamless, Integrated, Electronic



Interoperability across the continuum



AHLTA in Use Today



- **117** of 138 DoD medical facilities
- **50,916** of 63,000 personnel fully trained
- Patient-centric electronic medical records for **8.3 million** of 9.2 million beneficiaries
- **88,700** patient visits daily, now captured electronically (average for week of 26–30 June 2006)
- **23.69 million** patient visits, captured in electronic database, since start in January 2004

Theater Health Information



- More than **447,000** Theater patient encounters recorded electronically principally in Iraq and Kuwait (3/05–5/06)
- More than **34,000** patient encounters sent electronically from Theater to garrison in May 2006
- Medical command and control, medical surveillance, seamless care



Ongoing Activities: DoD-VA Collaboration



Federal Health Information Exchange

- 1-way, viewable data
 - 45.6 million lab results
 - 7.27 million radiology reports
 - 45.9 million Rx records
 - 44.7 million standard ambulatory data records
- 3.5 million unique patients
- Over 2.8 million separated Service members have presented to the VA

Bidirectional Health Information Exchange

- 2-way, viewable data
 - Lab
 - Radiology
 - Outpatient Rx
 - Allergy
 - Demographic
- Data from DoD BHIE sites available to all VA sites

Clinical Data Repository/Health Data Repository

- 2-way, computable data
 - Allergy, outpatient Rx, and demographic data anticipated in FY 06
 - Support for drug-drug, drug-allergy interaction checking
- Lab data (chemistry and hematology) next data set being planned

As of 31 May 2006





- Collaborating with Health and Human Services
 - American Health Information Community
 - Commitment to adopt standards approved by the Community (Healthcare Information Technology Standards Panel process)
- Expanding the reach of DoD's electronic health record
 - Build new medical imaging system, in coordination with Veterans Affairs
 - Capture 100% of encounters electronically
 - Deploy inpatient module
 - Connect AHLTA with private sector
 - Further improve command visibility of command assets and operations; improve worldwide surveillance on emerging threats



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